

DISTRIBUTED RECEIVER SYSTEM AND  
METHOD

ABSTRACT OF THE DISCLOSURE

A distributed receiver system for communicating transmitted reference ultra wideband communications signals includes a receiver front end downconverter having a correlator for producing ultra wideband pulses from the transmitted reference ultra wideband communications signals. A digitizer is connected to the receiver front end downconverter for receiving and digitizing the ultra wideband pulses. A high bandwidth cable is connected to the digitizer for receiving the digitized ultra wideband pulses. A centralized digital processing module is connected to the high bandwidth cable for interpreting the digitized ultra wideband pulses.